

## Test Lab Work Request Form

<b>Date Submitted:</b> 10 March, 2000	<b>Tracking #:</b> TLW 00100
<b>Project #:</b> 241095	<b>Engineer:</b> J.R.SNEDEKER
<b>Test Objective:</b> <b>TLW00100 - Weight of Bolt Assembly:</b> <p>The bolt assembly, disassembled from the rifle, will be weighed. The test samples will be weighed on the Mettler Toledo digital balance (PB8000) located in the Metrology Lab. The rifle's bolt assembly will be weighed once each.</p>	
<b>Test Description:</b> <b>Method:</b> <ul style="list-style-type: none"> <li>Check to be sure that the bolt is correctly tagged with the last four digits of its rifle's serial number. <u>This bolt assembly must be returned to its original rifle or the headspace may change.</u></li> <li>Clean the platen of the digital balance, if necessary.</li> <li>If the balance is not already on and has been turned on at least 30 minutes for warm-up, turn the balance on and wait 30 minutes for the balance circuitry to stabilize.</li> <li>Run the balance calibration routine if necessary</li> <li>Make sure the units are set to "lb."</li> <li>Carefully place the bolt assembly with the bolt assembly's approximate front to rear balance point directly over the center of the balance platen.</li> <li>When the scale settles down, record the weight in lb. to the nearest 0.1 lb. (Note that the scale has three decimal points displayed.)</li> <li>Re-assemble the bolt on its corresponding barreled action.</li> </ul>	
<b>Data Required:</b> <ul style="list-style-type: none"> <li>Rifle serial number</li> <li>Weight to the nearest 0.1-lb.</li> <li>Serial number of the Mettler PB8000 balance (it should be SN 2114475246)</li> </ul>	
<b>Resource Usage:</b> <b>Manpower Requirements -</b>  <b>Facility Requirements -</b>	<b>Test Results Required:</b> <b>Formal Report:</b> <b>Data Only: X</b> <b>REQUESTED Completion Date:</b>
<b>Required Materials/Parts/Equipment (include quantities):</b>	
<b>Test Parts Availability Date:</b>	
<b>Start Date:</b> 12 Sept 2000 <b>Completion Date:</b> 12 Sept 2000 <b>Report Date:</b>	<b>Test Assigned To:</b> 

ET07024

Weight of Bolt Assembly - TLW00100  
 Weight of Barrel Assembly - TLW0010N  
 Weight of Stock - TLW0010M  
 Overall weight - TLW0010L

	Overall	Bolt	Barrel	Stock	Take Down Screws	
B1 -	6.916*	.654	3.867	2.354	.042	1074
B2 -	6.881*	.653	3.841	2.345	.042	1046
B3 -	6.891*	.655	3.844	2.351	.042	1050
B4 -	6.893*	.654	3.853	2.344	.042	1088
B5 -	6.899*	.655	3.857	2.346	.042	1040
B6 -	6.905*	.654	3.863	2.347	.042	1028
B7 -	6.897*	.654	3.857	2.344	.042	1033
B8 -	6.874*	.653	3.837	2.343	.042	1083
B9 -	6.889*	.654	3.856	2.338	.042	1063
B10 -	6.900*	.655	3.861	2.343	.042	1069

Magazine = .215 - Had only one magazine, others taken for testing.

\*Overall weight does not include the magazine weight.

All measurements in Lbs.

ET07025